

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN030124\  
 Data File : VN081291.D  
 Acq On : 01 Mar 2024 17:31  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 01 22:21:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021624W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 16 23:45:20 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|--------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0    | 56    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 54.228  | -8.5   | 57    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.393  | 7.2    | 51    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 51.518  | -3.0#  | 59    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 42.283  | 15.4   | 49    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 55.538  | -11.1  | 62    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 57.980  | -16.0  | 65    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 55.336  | -10.7  | 62    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 59.030  | -18.1  | 67    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 52.050  | -4.1   | 56    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 297.447 | -19.0  | 73    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 54.888  | -9.8#  | 63    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 206.093 | 17.6   | 51    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 54.318  | -8.6   | 62    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 326.305 | -30.5# | 76    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 302.926 | -21.2  | 72    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.920  | 12.2   | 51    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 76.694  | -53.4# | 85    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 61.449  | -22.9  | 69    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 59.814  | -19.6  | 67    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 54.550  | -9.1   | 64    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 62.140  | -24.3  | 70    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 301.169 | -20.5  | 67    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 61.616  | -23.2  | 69    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 318.442 | -27.4# | 75    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 58.043  | -16.1  | 64    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 57.475  | -15.0  | 65    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 64.421  | -28.8# | 74    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 320.088 | -28.0# | 75    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 63.542  | -27.1# | 73    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 51.905  | -3.8   | 63    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 60.986  | -22.0  | 69    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 52.070  | -4.1   | 61    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 55    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.600  | -7.2   | 61    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 57.154  | -14.3  | 65    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 65.620  | -31.2# | 75    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 62.051  | -24.1  | 67    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 53.881  | -7.8   | 60    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 60.110  | -20.2  | 67    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 61.936  | -23.9  | 76    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 62.821  | -25.6# | 71    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 91.190  | -82.4# | 103   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 55.631  | -11.3  | 65    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 63.061  | -26.1# | 71    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 61.737  | -23.5  | 71    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 66.327  | -32.7# | 71    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 62.913  | -25.8# | 73    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Mar 01 22:21:26 2024  
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 Quant Title : SW846 8260  
 QLast Update : Fri Feb 16 23:45:20 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.    | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|----------|----------|--------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1429.109 | -42.9# | 76    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 46.432   | 7.1    | 54    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 341.807  | -36.7# | 76    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 59.662   | -19.3# | 66    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 61.957   | -23.9  | 65    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 61.889   | -23.8  | 67    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 65.064   | -30.1# | 71    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 63.694   | -27.4# | 69    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 63.720   | -27.4# | 71    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 317.786  | -27.1# | 71    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 321.243  | -28.5# | 68    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 65.115   | -30.2# | 68    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 62.088   | -24.2  | 69    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.945   | -3.9   | 60    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 56    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 59.167   | -18.3  | 72    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 57.424   | -14.8  | 66    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 62.193   | -24.4  | 69    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 59.101   | -18.2# | 66    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 116.628  | -16.6  | 65    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 57.834   | -15.7  | 65    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 60.512   | -21.0  | 66    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 66.699   | -33.4# | 69    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 63    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.525   | -7.0   | 68    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 55.360   | -10.7  | 69    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 59.545   | -19.1  | 78    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 57.980   | -16.0  | 78    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 53.541   | -7.1   | 70    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 55.497   | -11.0  | 69    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 53.816   | -7.6   | 71    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 56.173   | -12.3  | 70    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 54.446   | -8.9   | 68    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 53.933   | -7.9   | 69    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.759   | -9.5   | 69    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 56.696   | -13.4  | 71    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 58.097   | -16.2  | 71    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 57.569   | -15.1  | 71    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 54.366   | -8.7   | 72    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 54.371   | -8.7   | 70    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 58.354   | -16.7  | 71    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 62.826   | -25.7# | 75    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 54.427   | -8.9   | 71    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 58.298   | -16.6  | 76    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 54.117   | -8.2   | 68    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 53.809   | -7.6   | 68    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 54.420   | -8.8   | 69    | 0.00     |

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Sample : VSTDCCC050  
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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021624W.M  
Quant Title : SW846 8260  
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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|------------------------|--------|--------|-------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 55.319 | -10.6 | 69    | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6